



The Energizer® Force HT Plus Series hybrid inverter range offers advanced features and is compatible with high-voltage batteries. With the hybrid inverter range, your able to expand your solar system by adding extra batteries.

There are 7 inverter size options and it can connect to our EnergiStack HV Stackable Battery with up to seven battery modules connected in series, allowing for flexible storage capacity.

High Performance Three Phase Hybrid Inverters

- Three MPPT design with precise MPPT algorithm
- 97.90% maximum efficiency
- IP65 rated
- **Optional export control**
- Compact & sleek design
- RS485, Wi-Fi, LAN, GPRS (optional) communications
- Wide voltage range/low start-up voltage
- Android and iPhone apps available

hello@energizersolar.com energizersolar.com

10 years warranty





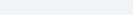






AUSTRALIAN VERSION (S)







MODEL INPUT	Force 5.0HT+	Force 6.0HT+	Force 8.0HT+	Force 9.9HT+	Force 10.0HT+	Force 12.0HT+	Force 15.0HT
PV INPUT							
Max. Array Power [Wp]	11000	14000	18000	20000	20000	24000	30000
Max. DC Input Power [W]	11000	13200	17600	18000	18000	22500	22500
Max. DC Voltage [V]				1000 [1]			
Norminal DC Operating Voltage [V]				620			
Max. MPPT Input Current [A]				20/20/20			
Max. MPPT Short Circuit Current [A]				25/25/25			
Max. MPPT Input Power [W]				10000/10000/10000			
Min. Operating PV Voltage [V]				90 [2]			
MPPT Voltage Range [V]				120 ~ 950			
Start-up Input Voltage [V]				140			
No. of MPP Trackers				3 1+1+1			
Strings per MPP Tracker				1+1+1			
BATTERY CONNECTION							
Battery Type			l	Lithium-ion Battery (LFP)			
Battery Voltage [V]				100 ~ 800			
Min. Operating Battery Voltage [V]				100			
Min. Battery Voltage @Full AC Load [V]	108	125	160	210	210	250	310
Max. Charge/ Discharge Current [A]				50.0			
Communication Interface				CAN			
AC OUTPUT							
lominal AC Power [W]	5000	6000	8000	9900	10000	12000	15000
Max. Apparent AC Power [VA]	5500	6600	8800	9900	11000 [3]	13200	16500
Rated Grid Voltage (AC Voltage Range) [V]			400/2	230Vac; 380/220Vac, 3L/N	I/PE		
Rated Grid Frequency [Hz]				50/60, ±5			
Rated AC Current [A] (Per Phase)	7.6	9.1	12.1	15.0	15.2	18.2	22.7
Max. AC Current [A] (Per Phase)	8.3	10.0	13.3	15.0	16.7	20.0	25.0
Power Factor			1(Adjustab	le from 0.8 leading to 0.8	lagging)		
THDI [%]				<3 @rated power			
AC INPUT							
Max. AC Power [VA]	6000	7200	9600	12000	12000	14400	16000
Rated Grid Voltage (AC Voltage Range) [V]			400/2	230Vac; 380/220Vac, 3L/N			
Rated Grid Frequency [Hz]				50/60, ±5			
Max. AC Current [A] (Per Phase)	9.1	10.9	14.5	18.2	18.2	21.8	24.2
EPS OUTPUT							
Max. Apparent AC Power [VA]	5000	6000	8000	10000	10000	12000	15000
Peak Apparent AC Power [VA] (60s)	6000	7200	9600	12000	12000	14400	15000
Rated Output Voltage [V]				230Vac; 380/220Vac, 3L/N			
Rated Grid Frequency [Hz]				50/60			
EPS Max. Current [A] (Per Phase)	7.2	8.7	11.6	14.5	14.5	17.4	21.7
Power Factor				le from 0.8 leading to 0.8			
Switch Time [ms]			7(710)05100	<20	1099119/		
				<3 @rated power			
THDV [%]							
THDV [%] EFFICIENCY							
THDV [%] EFFICIENCY MPPT Efficiency [%]	97.30%	97.70%	97.70%	99.90%	97.90%	97.90%	97.90%
IFIDV [%] EFFICIENCY MPPT Efficiency [%] Max. Efficiency [%]	97.30%	97.70%	97.70%	99.90% 97.90%	97.90%	97.90%	97.90%
IFIDV [%] EFFICIENCY MPPT Efficiency [%] Max. Efficiency [%] Euro-Efficiency [%]	97.30%	97.70%	97.70%	99.90%	97.90%	97.90%	97.90%
IFIDV [%] EFFICIENCY MPPT Efficiency [%] Max. Efficiency [%] Euro-Efficiency [%] PROTECTION	97.30%	97.70%	97.70%	99.90% 97.90% 97.20%	97.90%	97.90%	97.90%
IHDV [%] EFFICIENCY #PPT Efficiency [%] dax. Efficiency [%] PUT-Efficiency [%] PROTECTION PV Reverse Polarity Protection	97.30%	97.70%	97.70%	99.90% 97.90% 97.20% YES	97.90%	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] From-Efficiency [%] PROTECTION EV Reverse Polarity Protection Stattery Reverse Protection	97.30%	97.70%	97.70%	99.90% 97.90% 97.20% YES YES	97.90%	97.90%	97.90%
IHDV [%] EFFICIENCY MPPT Efficiency [%] dax. Efficiency [%] Eventarian (%) PROTECTION PV Reverse Polarity Protection Battery Reverse Protection Anti-Islanding Protection	97.30%	97.70%	97.70%	99.90% 97.90% 97.20% YES YES	97.90%	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Jaxx. Efficiency [%] EVENT OF THE PROPERTY OF THE PR	97.30%	97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES	97.90%	97.90%	97.90%
HDV [%] EFFICIENCY APPT Efficiency [%] Aux. Efficiency [%] Euro-Efficiency [%] EVAPOTECTION EVAPOTECTION EVAPOTECTION Anti-Islanding Protection Auti-Islanding Protection Output Short Protection Leakage Current Protection	97.30%	97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES	97.90%	97.90%	97.90%
INDV [%] EFFICIENCY MPPT Efficiency [%] 4ax. Efficiency [%] Euro-Efficiency [%] PORTECTION PV Reverse Polarity Protection Sattery Reverse Protection Anti-Islanding Protection Dutput Short Protection Leakage Current Protection Insulation Resistor Detection	97.30%	97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES		97.90%	97.90%
INDV [%] EFFICIENCY APPT Efficiency [%] Euro-Efficiency [%] Euro-Efficiency [%] PROTECTION PROTECTION PROTECTION Anti-Islanding Protection Anti-Islanding Protection Output Short Protection Leakage Current Protection Insulation Resistor Detection Over Voltage Category	97.30%	97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES		97.90%	97.90%
IFIDIV [%] EFFICIENCY MPPT Efficiency [%] Max. Efficiency [%] Euro-Efficiency [%] PROTECTION PV Reverse Polarity Protection Battery Reverse Protection Output Short Protection Dutput Short Protection eakage Current Protection nsulation Resistor Detection Over Voltage Category Reverse Connect Protection		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES III(AC side), III		97.90%	97.90%
IMDV [%] IFFICIENCY MPPT Efficiency [%] Max. Efficiency [%] Max. Efficiency [%] PROTECTION PV Reverse Polarity Protection Battery Reverse Protection Anti-Islanding Protection Dutput Short Protection Leakage Current Protection Diversible To Protection Diversible Category Reverse Connect Protection Diver-Current Protection Diver-Current Protection DC/AC S		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES YES YES YE	(DC side)	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Axx. Efficiency [%] Axx. Efficiency [%] FROTECTION PV Reverse Polarity Protection Battery Reverse Protection Anti-Islanding Protection Dutput Short Protection Leakage Current Protection Dever Voltage Category Reverse Connect Protection Dever Voltage Category Reverse Connect Protection Dever-Current Protection Dever-Current Protection Dever-Current Protection Dever-Current Protection Dever-Current Protection DC/AC S AFCI Protection		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES YES YES YE	(DC side)	97.90%	97.90%
HDV [%] HDV [%] HDV [Fifciency [%] Hax. Efficiency [%] Hax. Efficiency [%] HAX. Efficiency [%] POTECTION PV Reverse Polarity Protection Battery Reverse Protection Anti-Islanding Protection Dutput Short Protection Leakage Current Protection Insulation Resistor Detection Dover Voltage Category Reverse Connect Protection Dover-Current Protection Dover-Current Protection Dover-Current Protection Dover-Current Protection/Over-Temperature Protection DC/AC SAFCI Protection DC Switch		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES YES YES YE	(DC side)	97.90%	97.90%
INDV [%] EFFICIENCY APPT Efficiency [%] Max. Efficiency [%] PROTECTION PROTECTION PV Reverse Polarity Protection Stattery Reverse Protection Anti-Islanding Protection Dutput Short Protection Dutput Short Protection Dutput Short Protection Dutput Short Protection Devervoitage Category Reverse Connect Protection Over-Current Protection Dever-Current Protection DC Switch SENERAL DATA		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES TYES III(AC side), III YES Type II(PV)/Type II	(DC side) (AC) Optional	97.90%	97.90%
INDV [%] IFFICIENCY APPT Efficiency [%] Aux. Efficiency [%] PROTECTION PV Reverse Polarity Protection Stattery Reverse Protection Auti-Islanding Protection Output Short Protection Leakage Current Protection Over Voltage Category Reverse Connect Protection Diver-Current Protection Over-Current Protection Over-Current Protection Over-Current Protection Over-Current Protection Over-Current Protection Over-Current Protection OS Switch SENERAL DATA Dimensions (W*H*D) [mm]		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES Type II(PV)/Type II YES 600*450	DC side) (AC) Optional	97.90%	97.90%
INDV [%] IFFICIENCY APPT Efficiency [%] Adax. Efficiency [%] PROTECTION PV Reverse Polarity Protection Battery Reverse Protection Anti-Islanding Protection Output Short Protection Leakage Current Protection Insulation Resistor Detection Over Voltage Category Reverse Connect Protection Diver-Current Protection Over-Current Protecti		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES TyES III(AC side), llt YES Type II(PV)/Type II YES 600*450' 665*545*	DC side) (AC) Optional	97.90%	97.90%
INDV [%] IFFICIENCY WAPPT Efficiency [%] Max. Efficiency [%] Wax. Efficiency [%] PROTECTION PV Reverse Polarity Protection Battery Reverse Protection Anti-Islanding Protection Dutput Short Protection Down Voltage Category Reverse Connect Protection Diver-Current Protection Diver-Current Protection/Over-Temperature Protection DC/AC SAFCI Protection Dover-Current Protection/Over-Temperature Protection DC/AC SAFCI Protection Dover-Current Protection Dover-Current Protection/Over-Temperature Protection DC/AC SAFCI Protection Dover-Current Protection		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES YES TyeS III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545'	DC side) (AC) Optional	97.90%	97.90%
INDV [%] INDV [97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES YES Tyes III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34	(DC side) (AC) Optional *226 390	97.90%	97.90%
HDV [%] HDV [%] HDV [%] HDV Efficiency [%] Hax. Efficiency [%] Hax. Efficiency [%] POTECTION EV Reverse Polarity Protection Battery Reverse Protection Until-Islanding Protection Dutput Short Protection Leakage Current Protection Diver Voltage Category Reverse Connect Protection Diver-Current Protection DOES WITCH DOES WITCH DOES WITCH DIPMENSION [W*H*D] [mm] Dimension of Packing (W*H*D) [mm] Let Weight [kg] Forss Weight [kg]		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES YES TyeS III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545'	(DC side) (AC) Optional *226 390	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] POTECTION PV Reverse Polarity Protection Battery Reverse Protection Authorit-Islanding Protection Dutput Short Protection Dutput Short Protection Diverviolation Resistor Detection Diver Voltage Category Reverse Connect Protection Dever-Current Protection DC Switch JENERAL DATA Jimensions (W"H"D) [mm] Jiet Weight [kg] Jiers Sw Weight [kg] Jinstallation		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES YES Tyes III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34	(AC) Optional 2226 390	97.90%	97.90%
INDV [%] EFFICIENCY APPT Efficiency [%] Aux. Efficiency [%] PROTECTION PROTECTION PROTECTION PROTECTION PROTECTION Anti-Islanding Protection Auti-Islanding Protection Dutput Short Protection Dutput Short Protection Description Description		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES TyES III(AC side), III(YES YES ACT WALL WALL WALL WALL WALL WALL WALL WAL	(AC) Optional 226 390 nted ting at 45)	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] PROTECTION PROTECTION PV Reverse Polarity Protection Stattery Reverse Protection Anti-Islanding Protection Output Short Protection eakage Current Protection over Voltage Category Reverse Connect Protection Over-Current Protection Over-Current Protection OVer-Current Protection OVer-Current Protection OVer-Current Protection/Over-Temperature Protection DC/AC Significant Efficiency (%) Ficial Protection OC Switch ENERAL DATA Dimensions (W*H*D) [mm] Het Weight [kg] Forss Weight [kg] Installation Operating Temperature Range [°C] Storage Temperature [°C]		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES TYES III(AC side), III YES Type II(PV)/Type II YES 450*450*665*545* 34 40 Wall-mou	(AC) Optional 226 390 atted ting at 45)	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] Aux. Efficiency [%] PROTECTION EVEN Reverse Polarity Protection Battery Reverse Protection Auti-Islanding Protection Output Short Protection Leakage Current Protection Diver Voltage Category Reverse Connect Protection Over-Current Protection/Over-Temperature Protection DC/AC SAFCI Protection Diver-Current Protection/Over-Temperature Protection DC/AC SAFCI Protection Diver-Gurrent Protecti		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES TYES III(AC side), III YES YES Type II(PV)/Type II YES 40 Wall-moud -25 ~ +60 (Dera	(AC) Optional 226 390 nted ting at 45) 70 0	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] Aux. Efficiency [%] POTECTION EVEN Reverse Polarity Protection Battery Reverse Protection Auti-Islanding Protection Output Short Protection Leakage Current Protection Dever Voltage Category Reverse Connect Protection Even Protection Diver-Current Protection		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-mou	(AC) Optional 226 390 nted ting at 45) 70 0	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] POTECTION PV Reverse Polarity Protection Battery Reverse Protection Authorit-Islanding Protection Dutput Short Protection Dutput Short Protection Dutput Short Protection Diver Voltage Category Reverse Connect Protection Dever-Current Protection DOS Switch FFIC Protection DC Switch FENERAL DATA Dimensions (W"H"D) [mm] Diet Weight [kg] Forss Weight [kg] Forss Weight [kg] Forstage Comperature Range [°C] Forage Temperature [°C] Forage Temperature [°C] Forage Temperature Relative Humidity [%] Multitude [m] Protective Class		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-mou	(AC) Optional 226 390 nted titing at 45) 70 0 xceeding 2000	97.90%	97.90%
HDV [%] FFICIENCY (MPPT Efficiency [%] Aux. Efficiency [%] PROTECTION IV Reverse Polarity Protection Stattery Reverse Protection Stattery Voltage Category Steverse Connect Protection Stever-Current Protec		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES YES TYES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-mou -25 ~ +60 (Dera -40 ~ + 0 ~ 10 < 4000 @Derating e	(AC) Optional (226 (3390 Inted titing at 45) (70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	97.90%	97.90%
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] PROTECTION PV Reverse Polarity Protection Stattery Reverse Protection Anti-Islanding Protection Output Short Protection eakage Current Protection over Voltage Category Reverse Connect Protection Over-Current Protection Over-Current Protection Over-Current Protection O'S witch SENERAL DATA Dimensions (W*H*D) [mm] Intervalon of Packing (W*H*D) [mm] Let Weight [kg] Torses Weight [kg] Installation Operating Temperature Range [°C] Istorage Temperature [°C] Istorage Temperature Relative Humidity [%] Mittude [m] Protective Class Ingress Protection Standby Consumption [W]		97.70%	97.70%	99.90% 97.90% 97.20% YES YES YES YES YES YES TYES III(AC side), III YES YES AC SIDE A	(AC) Optional (226 (3390 Inted titing at 45) (70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	97.90%	97.90%
INDV [%] INDV [%] INDV [%] INDV [%] INDV [MAX. Efficiency [MAX. Efficien		97.70%		99.90% 97.90% 97.20% YES YES YES YES YES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-mou -25 ~ +60 (Dera -40 ~ + 0 ~ 10 <4000 @Derating e I IP65 (For outc) 20 ~ 2	(AC) Optional (226 (3390 Inted titing at 45) (70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] Aux. Efficiency [%] PROTECTION EVEN Reverse Polarity Protection Battery Reverse Protection Auti-Islanding Protection Output Short Protection Leakage Current Protection Leakage Current Protection Diver Voltage Category Reverse Connect Protection Diver-Current Protection/Over-Temperature Protection DC/AC SAFCI Protection Diver-Current Protection/Over-Temperature Protection DC/AC SAFCI Protection Diver-Gurrent Protection/Over-Temperature Protection DC/AC SAFCI Protection Diver-Gurrent Protection/Over-Temperature Protection DC/AC SAFCI Protection Diver-Gurrent Protection DC/AC SAFCI Protection Diver-Gurrent Protection DC/AC SAFCI Protection Diver-Gurrent Protection DC/AC SAFCI Protection Diversion of Packing (W*H*D) [mm] Dimension of Packing (W*H*D) [mm] Dimension of Packing (W*H*D) [mm] Dimension of Packing (W*H*D) [mm] Diversity India of Packing		97.70%	97.70% Natur. <40	99.90% 97.90% 97.20% YES YES YES YES YES YES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-mou	(AC) Optional (226 (3390 Inted titing at 45) (70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FAN C	
HDV [%] FFICIENCY APPT Efficiency [%] Aux. Efficiency [%] Aux. Efficiency [%] PROTECTION EVEN Reverse Polarity Protection Battery Reverse Protection Auti-Islanding Protection Output Short Protection Leakage Current Protection Dever Voltage Category Reverse Connect Protection Diver-Current Protection Coloring Holder Protection Coloring Hold		97.70%	Natur	99.90% 97.90% 97.20% YES YES YES YES YES YES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-moun -25 ~ +60 (Dera -40 ~ + 0 ~ 10 <4000 @Derating e I P65 (For oute 20 ~ 2 YES al	(AC) Optional 226 390 nted titing at 45) 70 0 xxceeding 2000 door use)	FAN C	ooling
HDV [%] FFICIENCY (PPT Efficiency [%] Jax. Efficiency [%] Jax. Efficiency [%] PROTECTION IV Reverse Polarity Protection Jattery Reverse Protection Journal Formation Journal Fo			Natur. <40	99.90% 97.90% 97.90% 97.20% YES YES YES YES YES YES TYES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-mou -25 ~ +60 (Dera -40 ~ + 0 ~ 10 <4000 @Derating e I P65 (For outc 20 ~ 2 YES al	(AC) Optional 2226 3390 Inted titing at 45) 70 0 exceeding 2000 door use) 5	FAN C	oolling 55
IFIDIV [%] EFFICIENCY WPPT Efficiency [%] Max. Efficiency [%] PROTECTION PV Reverse Polarity Protection Sattery Reverse Protection Anti-Islanding Protection Output Short Protection Leakage Current Protection Over Voltage Category Reverse Connect Protection Over-Current Protection OC Switch Seneral DATA Dimensions (W*H*D) [mm] Dimension of Packing (W*H*D) [mm] Note Weight [kg] Siross Weight [kg] Installation Operating Temperature Range [°C] Storage/Operation Relative Humidity [%] Altitude [m] Protective Class Ingress Protection Standby Consumption [W] Standby Mode Coolling Noise Grade [dB] Inverter Topology Communication Interface			Natur. <40	99.90% 97.90% 97.90% 97.20% YES YES YES YES YES TYES III(AC side), III YES TYES TYPE II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-mou -25 ~ +60 (Dera -40 ~ + 0 ~ 10 <44000 @Derating e II IP65 (For oute 20 ~ 2 YES al	(AC) Optional 2226 3390 Inted Itting at 45) 70 0 Exceeding 2000 Idoor use) 5	FAN C	oolling 55
INDV [%] EFFICIENCY APPT Efficiency [%] Aux. Efficiency [%] Devotection Protection Protection Protection Anti-Islanding Protection Anti-Islanding Protection Anti-Islanding Protection Output Short Protection Development of Protection Depending of Packing (W*H*D) [mm] Development of Packing (W*H*D) [mm] Devel			Natur. <40	99.90% 97.90% 97.90% 97.20% YES YES YES YES YES YES TYES III(AC side), III YES YES ACT YES OO*450' 665*545' 34 40 Wall-mou -25 ~ +60 (Dera -40 ~ + 0 ~ 10 <4000 @Derating e I P65 (For oute 20 ~ 2 YES al Non-isola (Wifi+LAN+Bluetooth), 46 Backlight 16*4	(AC) Optional 2226 3390 Inted Itting at 45) 70 0 Exceeding 2000 Idoor use) 5	FAN C	oolling 55
HDV [%] FFICIENCY (MPPT Efficiency [%] dax. Efficiency [%] uro-Efficiency [%] ROTECTION IV Reverse Polarity Protection battery Reverse Protection unti-Islanding Protection object of the protection object of the protection over Voltage Caregory deverse Connect Protection over-Current Protection over-Current Protection over-Current Protection/Over-Temperature Protection DC/AC Signature of the protection of Switch SEMERAL DATA Official States (W"H"D) [mm] official Signature ("C) torage Temperature Range [°C] torage Temperature [°C] torage Temperature [°C] torage/Operation Relative Humidity [%] tiltitude [m] over-Current Protection tandby Consumption [W] tandby Mode cooling loise Grade [dB] over-ter Topology communication Interface CD Display tandard Warranty [year]			Natur. <40	99.90% 97.90% 97.90% 97.20% YES YES YES YES YES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-moun -25 ~ +60 (Dera -40 ~ + 0 ~ 10 <4000 @Derating e I IP65 (For outc 20 ~ 2 YES al Wifi+LAN+Bluetooth), 4G Backlight 16*4 10	(AC) Optional 2226 2390 Inted Iting at 45) 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FAN C	oolling 55
HDV [%] FFICIENCY (PPT Efficiency [%] dax. Efficiency [%] uro-Efficiency [%] PROTECTION IV Reverse Polarity Protection stattery Reverse Protection output Short Protection output Short Protection sulation Resistor Detection over Voltage Category deverse Connect Protection over-Current Protection/Over-Temperature Protection DC/AC S FCI Protection Over-Current Protection/Over-Temperature Protection DC/AC S FCI Protection Other-Current Protection/Over-Temperature Protection DC/AC S SHORT DATA Official Short			Natur. <40	99.90% 97.90% 97.90% 97.20% YES YES YES YES YES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-mou	(AC) Optional *226 390 nted titing at 45) 70 0 xxceeding 2000 door use) 5	FAN C	oolling 55
HDV [%] FFICIENCY (MPPT Efficiency [%] dax. Efficiency [%] uro-Efficiency [%] ROTECTION IV Reverse Polarity Protection battery Reverse Protection unti-Islanding Protection object of the protection object of the protection over Voltage Caregory deverse Connect Protection over-Current Protection over-Current Protection over-Current Protection/Over-Temperature Protection DC/AC Signature of the protection of Switch SEMERAL DATA Official States (W"H"D) [mm] official Signature ("C) torage Temperature Range [°C] torage Temperature [°C] torage Temperature [°C] torage/Operation Relative Humidity [%] tiltitude [m] over-Current Protection tandby Consumption [W] tandby Mode cooling loise Grade [dB] over-ter Topology communication Interface CD Display tandard Warranty [year]			Natur. <40	99.90% 97.90% 97.90% 97.20% YES YES YES YES YES III(AC side), III YES Type II(PV)/Type II YES 600*450' 665*545' 34 40 Wall-moun -25 ~ +60 (Dera -40 ~ + 0 ~ 10 <4000 @Derating e I IP65 (For outc 20 ~ 2 YES al Wifi+LAN+Bluetooth), 4G Backlight 16*4 10	(AC) Optional *226 390 nted titing at 45) 70 0 xxceeding 2000 door use) 5	FAN C	oolling 55