SecondWay Enerlution

one-stop solution for smart energy storage

HYSL 3000-6000

Low Voltage Single Phase Hybrid Inverter

PV RATIO UP TO 2.0

MONITORING VIA CLOUD

ENVIRONMENTAL ADAPTABILITY

SAFE AND EASY TO INSTALL

Technical Specification

	idéal appartement			idéal maison
MODEL	HYSL-3000	HYSL-3680	HYSL-4000	HYSL-5000
BATTERY INPUT				
Battery type	Lithum/Lead-Acid			
Input voltage range (V)	40-60			
Max.charging/discharging current (A)	70		80	120
Max.Charging/Discharging voltage (V)	<=60 (Adjustable)			
Charging strategy for Li-ion battery	Self Adaption to BMS			
PV INPUT				
Max. pv power (W)	6000	7360	8000	10000
Max.Input voltage (V)	600			
Start Up Voltage (V)	70			
MPP Voltage Range (V)	80-550			
Rated Input Voltage (V)	360			
Max. Input Current (A)	16/16			
Max. Short Circuit Current (A)	20/20			
No. of MPPTs/No. Strings Per MPPT	2/1			
AC OUTPUT				
Rated power (W)	3000	3680	4000	5000
Max. apparent power (VA)	3300	4048	4400	5500
Rated grid frequency (Hz)	50/60	50/60	50/60	50/60
Max. output current (A)	14.3	17.6	19.1	23.9
Power factor	0.8ind-0.8cap			
THDi @ rated power	< 3%			
Grid connection	Single Phase			
AC OUTPUT(BACK-UP)				
Rated power (W)	3000	3680	4000	5000
Rated output voltage (V)	230			
Rated output frequency (Hz)	50/60			
Peak output apparent power (VA)	2 times of rated power for 3000-4000W@10s;1.5 times for 5000-6000W@10s			
Rated output current (A)	13.0	16.0	17.4	21.7
Switch time (ms)	< 10			
GENERAL DATA				
Dimensions(W*H*D)(mm)	455*365*182			
Weight (kg)	18.4			
User Interface	LCD&LED			
PV connection type	MC4			
AC connection type	OT Terminal + Shell			
Battery connection type	Plug-in			
Cooling	Natural Cooling			
Communication with meter	RS485			
Operating ambient temp (C)	-30 ~ +60			
CT connection type	Plug-in Connector			
Max.operating altitude (m)	3000 (>3000 Derating)			
protection class	IP65			
Night consumption (W)	< 5			
Max. parallel number	9			
Warranty	5(10)years			
STANDARD COMPLIANCE				
Safety	IEC 61000-6-1/-3, EN 62920, EN 62109-1/-2, SUD TUV MARK, EN 55011			
Grid connection standards	EN 50549-1&-10/CEI 0-21			