



ALL IN ONE

Parameters

OP-1PL-5KW-10KWh

Single phase energy storage inverter integrated machine

Inverter parameters		AC Output Data	
Nominal Output Power to Grid		5KVA	
Nominal Grid Voltage		230V/176~270V/ L+N+PE	
Nominal Grid Frequency		50Hz/60Hz	
Max. output current(A)		21.7A	
Regulation		EN 50549-1; EIFS 2018: 2;VDE4105; IEC/EN62109-1; EN 61000-6	
		AC Output Data (EPS)	
Nominal Output Power		5KVA	
Nominal Output Voltage		230V/ L+N+PE	
Nominal Output Frequency		50Hz/60Hz	
Max.Efficiency		97%	
Nominal Output Current		21.7A	
THDu		<2%	
		DC input parameters	
Battery Working Voltage Range		40V-58V	
Max.Charging/Discharging Power		5kw	
Rated.Charging/Discharging Current		95A	
		PV input parameters	
Max.PV Input Power		7kw	
MPPT Voltage Range		125~500V	
Full Power MPPT Voltage Range		260V~500V	
Max.Input Current per MPPT		14A*2	
MPPT Efficiency		99%	
Inverter weight		40kg	
Battery parameters			
Battery Type		Lithium iron phosphate (LFP)	
Rated energy (kwh)		10.24kwh	
cell configurations		16S2P	
Rated capacity (Ah)		100Ah	
Rated voltage (V)		51.2V	
voltage range (V)		46.4V~57.6V	
Rated charging current (A)		100A@25°C 1.0C	
Rated discharge current (A)		100A@25°C 1.0C	
Module parameters		51.2V100Ah (16S1P) /5.12kwh	
Module weight		60kg	
Charge Temperature (°C)		0°C~55°C	
Discharge temperature (°C)		-20°C~60°C	
Storage Temperature (°C)		0°C~50°C ;	
Storage Humidity		≤ 98%	
Standard Cycle		6000 Cycle	
Regulation		CE/IEC61000-2	
System parameter			
weight		180kg /Overall weight	
size		540mm*240mm*1710mm/(W*T*H)	
Ingress Protection		IP65	