

EOPH SERIES

Model	EOPH65-10K	EOPH65-12K
PV String Input Data		
Max. DC Input Power (W)	13000	15600
Start-up Voltage (V)	125	125
MPPT Range (V)	150-430	150-430
Rated DC Input Voltage (V)	370	370
Max. DC Input Current (A)	26+26+26	26+26+26
Max. DC short-circuit (A)	44+44+44	44+44+44
No. of MPPT Trackers	3	3
No. of Strings per MPPT Tracker	2+2+2	2+2+2
AC Output Data		
Rated AC Output Active Power (W)	10000	12000
Max AC Output Active Power (W)	11000	13200
Rated AC Output Current (A)	45.45	54.5
Max AC Output Current (A)	50	60
Max. Continuous AC Passthrough (A)	100	120
Peak Power (Off Grid)	Double rated power, 10S	
Power Factors	0.8 leading to 0.8 lagging	
Power Degree	1	
Output Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac	
Grid Type	Single Phase	
Total Harmonic Distortion (THD)	THDi<3% (of nominal power)	
DC Component	<0.5% (Rated Current)	
Battery Input Data		
Battery Type	Lead-acid or Lithium	Lead-acid or Lithium
Battery Voltage Range (V)	40-60	40-60
Max. Charging Current (A)	190	220
Max. Discharging Current (A)	190	220
External Temperature Sensor	Yes	Yes
Charging Curve	3 Stages / Equalization	3 Stages / Equalization
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	Self-adaption to BMS
Backup Data		
Backup Power (W)	8000	10000
Backup Rated Current (A)	36.36	45.5
Backup UPS	4ms Automatic switch time	4ms Automatic switch time
Efficiency		
Max. Efficiency	97.6%	
Euro Efficiency	96.5%	
MPPT Efficiency	99.9%	
Protection		
Anti-islanding Protection	Yes	
Insulation Resistance Detection	Yes	
Leakage monitoring protection	Yes	
Output Over Current Protection	Yes	
Output short-circuit Protection	Yes	
Surge Protection	Yes	
Output overVoltage Category	DC Type II/AC Type III	
Certifications and Standards		
Grid certifications	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1	
Safety/EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
General Data		
Operating Temperature Range (°C)	-40-60°C, >45°C Derating	
Cooling	Smart Cooling	
Noise (dB)	≤50 dB	
Communication with BMS	RS485; CAN	
Monitor mode	WIFI, APP	
Weight (kg)	50.5	
Cabinet Size (W x H x D mm)	484 × 783 × 302 (Excluding Connectors and Brackets)	
Protection Degree	IP65	
Installation Style	Wall-mounted	