

EOPH SERIES

Model	EOPH65-3600	EOPH65-5000	EOPH65-6000	EOPH65-8000
PV String Input Data				
Max. DC Input Power (W)	4680	6500	7800	10400
Rated PV Input Voltage (V)	370 (125~500)	370 (125~500)	370 (125~500)	370 (125~500)
Start-up Voltage (V)	125	125	125	125
MPPT Voltage Range (V)	150-430	150-430	150-430	150-430
Full Load MPPT Voltage Range (V)	300-430	300-430	300-430	200-430
Max. DC Input Current(A)	13+13	13+13	13+13	26+26
Max. DC Short Circuit Current(A)	17+17	17+17	17+17	34+34
No.of MPPT Trackers	2	2	2	2
No.of Strings per MPPT Tracker	1+1	1+1	1+1	2+2
AC Output Data				
Rated AC Output Active Power (W)	3600	5000	6000	8000
Max AC Output Active Power (W)	3960	5500	6600	8800
AC Output Rated Current (A)	16.4	22.7	27.3	36.4
Max AC Output Current (A)	18	25	30	40
Grid Bypass Current (A)	35	35	40	50
Peak Power (off grid)	2 time of rated power, 10 S			
Power Factor	0.8 leading to 0.8 lagging			
Power Class	1			
AC Output Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac			
Grid Type	Single Phase			
Total Harmonic Distortion (THDi)	<3% (of nominal power)			
DC Current Injection	<0.5% (Rated Current)			
Battery Input Data				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40~60	40~60	40~60	40~60
Max. Charging Current (A)	90	120	135	190
Max. Discharging Current (A)	90	120	135	190
External Temperature Sensor	Yes	Yes	Yes	Yes
Charging Curve	3 Stages / Equalization	3 Stages / Equalization	3 Stages / Equalization	3 Stages / Equalization
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	Self-adaption to BMS	Self-adaption to BMS	Self-adaption to BMS
Efficiency				
Max. Efficiency	97.60%			
Euro Efficiency	96.50%			
MPPT Efficiency	99.90%			
Protection				
Anti-islanding Protection	Yes			
PV String Input Reverse Polarity Protection	Yes			
Insulation Resistor Detection	Yes			
Residual Current Monitoring Unit	Yes			
Output Over Current Protection	Yes			
Output Shorted Protection	Yes			
Surge Protection	DC Type II/AC Type III			
Over Voltage Protection	Yes			
Certifications and Standards				
Grid Regulation	ABNT NBR 16149,ABNT NBR 16150,ABNT NBR 62116,AS4777.2,VDE 0126-1-1,NRS 097-2-1,UL1741			
Safety EMC / Standard	IEC62109-1/-2,IEC61000-6-1,IEC61000-6-3,IEC61000-3-11,IEC61000-3-12			
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)	31			
Cabinet Size (W x H x D mm)	330x580x232mm (Excluding Connectors and Brackets)			
Protection Degree	IP65			
Installation Style	Wall-mounted			