

Data Sheet

Input Data(DC)

HY-800-Plus

Commonly Used Module Pairings	2×475W
Maximum Input DC Voltage	60V
PV Open Circuit Voltage	33~60V
Operating Voltage Range	22~60V
Startup Voltage	22V
Short-circuit Current	2×18A
Max. Input Current	2×16A

Output Data(AC)

Peak Output Power	800W
Maximum Continuous Output Power	780W
Output Voltage Mode	120/230V Auto Switch
Nominal (L-L) Voltage/Range	120/85~160V 230/180~280V
Maximum Continuous Output Current	6.7A 3.5A
Frequency Range	48-51Hz/58-61Hz 48-51Hz/58-61Hz
Maximum Units Per 20 A (L-L) Branch Circuit	6 12
Power Factor(Adjustable)	>95%
Level of Harmonics Distortion	<5%

Efficiency

Peak Efficiency	95.00%
Static MPPT Efficiency	99.50%
Night Time Power Consumption	<50mW

Mechanical Data

Ambient Temperature Range	-20°C~+50°C
Relative Humidity Range	4% to 100% (Condensing)
Connector Type: DC	MC4
Dimensions(W*H*D)	283×200×41.6 mm(Without mounting bracket and cable)
Weight	1.56kg
Cooling	Natural Convection-No Fans
Enclosure Environmental Rating	IP67
AC Cable Length	2m

Features

Communication	Wi-Fi(Built-in data logger)
Power Transmission Mode	Reverse transmission, Load priority
Monitoring	Smart APP(Android/iOS)
Electromagnetic Detection	EN61000-6-1:2007 EN6100-6-3:2007+A1:2011+AC:2012
Power Grid Standard	EN50549-1, EN 50549-2, NBR 16149:2013, UL1741
Power Grid Detection	IEC/EN 62109-1, IEC/EN 62109-2, IEC 62116, IEEE 1547
Certificate	UL1741, INMETRO, VDE4105, VDE0126, IEC62109, EN50549, CE & INMETRO etc.
Warranty	12 years