



HYVION-8KW-SPLV

FEATURES:

- ▶ Maximum MPPT Current 36 A
- ▶ Compatible 800W+ Panels Per MPPT
- ▶ Max DC Support 12.8 KW
- ▶ Max Output Efficiency 99.9%
- ▶ Built-in AC & DC Protection Card / SPD
- ▶ IP66 Protection



AI SMART
SAFETY



IP66
PROTECTION



1.6 DC RATIO



99.9%
EFFICIENCY



550V-1000V
DC INPUT



05-YEAR
REPLACEMENT
WARRANTY



Easy to Install

- Compact & lightweight design
- IP66 sealed body (indoor / outdoor)
- Wide MPPT voltage range (Start-up 100VDC)
- RS485/CAN/4G WiFi/Ethernet
- Plug-and-play WiFi / 4G option



Smart & Safe

- AI Auto Management System
- Anti-Islanding Protection
- AC & DC Type-II SPD protection
- Intelligent Thermal Management System
- Automatic switch time <10ms



High Performance & Reliable

- 36A High-Current MPPT
- Max DC support 12.8KW
- Up to 99.9% efficiency
- THDi <3%
- 5-Year Replacement Warranty

MODEL	HYVION-6KW-SPLV		HYVION-8KW-SPLV	HYVION-10KW-SPLV
PV String Input				
Max. PV array power [Wp]@STC	9600		12800	16000
Max. DC voltage [V]	550			
MPPT voltage range [V]	80-500			
Rated DC Voltage [V]	360			
Start voltage [V]	100			
Max. input current [A]	20 / 20		36 / 36	36 / 36
Max. short current [A]	32 / 32		58 / 58	58 / 58
No. of MPPT	2			
Battery Port Connection				
Battery type	Lead-acid battery; lithium battery			
Voltage range [V]	40 - 60			
Max. charging/discharging current [A]	100	180	180	
AC Output [On-grid]				
Rated AC power [W]	6000	8000	10000	
Max. apparent power [kVA]	6600	8800	11000	
Rated output current [A]@230 V AC	26.0	40.9	45.4	
Max. output current [A]	30.0	45.0	50.0	
Rated AC voltage and range	L/N/PE, 220, 230, 240/180–280 V			
Rated output frequency and range [Hz]	50; 60 / 45–65			
Power factor [cosφ]	0.8 leading–0.8 lagging			
Total harmonic distortion [THDi]	< 3%			
AC Output [Back-up Mode]				
Max. Output Power [kVA]	6600	8800	11000	
Max. output current [A]	30.0	45.0	50.0	
Peak output apparent power [kVA]	7.0kVA,10s	8.8kVA,10s	11.0kVA,10s	
Rated AC voltage and range [V]	L/N/PE, 220, 230, 240/180–280 V			
Rated output frequency and rang [Hz]	50, 60 / 45–65			
AC Input [On-grid]				
Rated AC voltage and range (V)	L/N/PE, 220, 230, 240/180–280 V			
Rated input frequency [Hz]	50; 60			
Max. AC current from utility grid@220V	50A	80A	80A	
Efficiency				
Max. Efficiency	99.9%			
Euro Efficiency	97.5%			
Protection				
Battery input reverse polarity protection	Integrated			
Overload protection	Integrated			
AC short circuit current protection	Integrated			
DC surge protection	Type II			
AC surge protection	Type II			
Anti-islanding protection	Integrated			
AFCI protection	Optional			
RSD protection	Optional			
Interface				
PV connection	MC4 Type			
AC connection	Terminal Block			
Battery connection	Terminal Block			
Display	LCD + App			