



# HYVION-6KW-SPLV

## FEATURES:

- ▶ Maximum MPPT Current 20 A
- ▶ Compatible 800W+ Panels Per MPPT
- ▶ Max DC Support 9.6 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

- 20A High-Current MPPT
- Max DC support 9.6KW
- 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                          |            |                 |                  |