

GenPlus P .SERIES Portable DC Power System

The P-series are portable DC power module ideal for environments where high capacity portable power are required for mission critical equipment. The system come with its own internal battery pack and can be connected to external hot swappable battery pack to increase the total usable energy capacity. The output are available in regulated 5Vdc to 48Vdc. Higher voltage output and customized system are available upon request.

- **Precision regulated DC-output & Built-in EMI filter, low ripple noise**

Power saving by powering the end device directly, eliminate the need of additional AC-DC converters.

- **High temperature and long operation life LiFePO4 Battery**

Battery long service life up to 10 years (7 years typical) with more than 2000 recharge cycles and operating temperature up to 80degC.

- **Electrical Protections**

D-series is comprehensively protected for Short Circuit, Overloading, Over-voltage, Over temperature and Surge protection.



- **Extended Operating Temperature up to 65degC**

D Series are designed for outdoor operation under extreme heat operation up to 60 degC.

Standard Models	PT-250	PT-500	PT-100
AC Output			
Output Power (W)	250W	500W	1000W
Output Voltage	12Vdc/24Vdc/48Vdc/ customised		
Protection	High Temperature Short Circuit Overload/ Over load		
Battery Input			
Battery Type	LiFePO4		
Protection	Discharge, Overcharge, Overload, Current Surge		
Built-In battery Capacity (Whr)	600Whr	1200Whr	1200Whr
External Batteries	Hot Swappable with priority discharge for external battery (LFP models) Daisy Chain for multiple external battery pack for extra battery capacity		
Environmental & Safety			
Operating Temperature	0° to 60 °		
Relative Humidity	0% to 95%		
Audible Noise	≤55dBA at 1M		
Ventilation	Built-In Fan		
Enclosure	Full Aluminium case or Pelican Case		
Standard External Charger			
Charge Algorithm	CC/CV		
Max Charging Current	Available options: 0.2C/0.5C		
Customization			
Customizations	Available for 1. Power output 2. Battery Capacity 3. Form Factor		