

Introduction

SET rectifier system use advanced modular design, with multiple rectifier modules together in one 19" rack box. Makes it flexible to provide enough power supply for Telecom and Power Industrial equipment use.

The power output of rectifier can flexible configuration, depending on equipped different quantities of rectifier modules. It can provides stable DC output to regular load, battery float charging, and battery-equalized charging. Output constant DC charge power, works automatically according to the load demands.

Main Features

- Modular design, N + 1, easy for expansion.
- Hot-swappable modules, safe and convenient replacement.
- Free output voltage regulation.
- Free output current limit setting.
- With a standard RS-232/485 interface.
- Battery management include:
 - Real-time battery voltage monitoring;
 - Charge and discharge current;
 - Automatic control for boost charge and float charge;
 - Charge temperature compensation.
- Various protection function:
 - Input and output over /under voltage;
 - Over temperature;
 - Short circuit.



Production standards

- **Classification:** IP20;
- **EMC:** EN55022:2010+AC:2011;
EN55024:2010;
EN61000-3-2:2014;
EN61000-3-3:2013;
- **LVD:** EN60335-2-29:2004+A2:2010;
EN60335-1:2012+A11:2014;
EN62233:2008.

Measurement Parameter

Model	SET24	SET48	SET110	SET125	SET220	
AC Input	Voltage					
	185~290Vac normal output 85~185Vac reduce power output					
AC Input	Frequency					
	50/60Hz optional					
DC Output	Rating	24Vdc	48Vdc	110Vdc	125Vdc	220Vdc
	Range	21~29Vdc	42~59Vdc	90~150Vdc	90~150Vdc	190~300Vdc
	Single Module Max Current	70A	50A	20A	20A	10A
	Power Factor	≥ 0.99				
	Efficiency	≥ 95%				
	Unbalance	≤ 3%				
Comm & Port	Load regulation	≤ 0.5%				
	RS232 or RS485	Default				
	TCP/IP SNMP	Optional				
Wide frequency noise voltage	Dry Contact					
	2* Main loop trip DO, 3* Alarm DO					
Ripple & Noise	≤50mV @3.4kHz ~ 150kHz ≤20mV @0.15MHz ~ 30MHz					
Transient response recovery time	200m Vpp Max					
Transient response overshoot range	< 200uS					
	≤ 0.5%					

Typical Dimension

