

- Communication

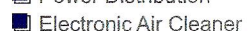
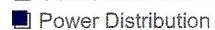
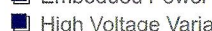
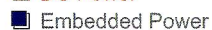
- Support multi-component expansion

- Global approvals

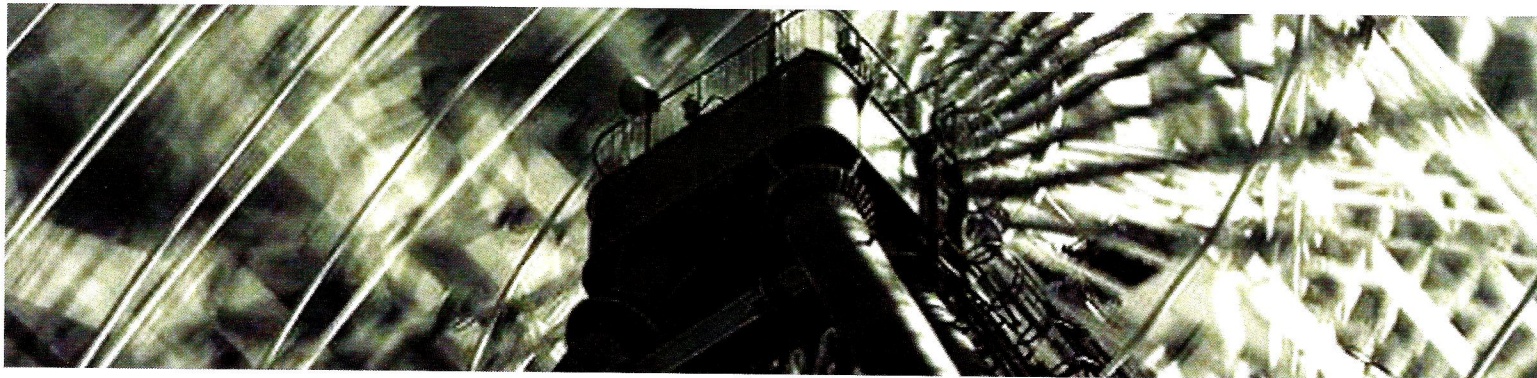
## Product Description

The SC520 is a microprocessor-based system monitoring module that is used to control and monitor small to large power systems by extending components. The monitoring module is simple to operate, easy to use, through TCP / IP and USB configuration of the main parameters; with battery management and remote control switch rectifier and other functions; with USB, RS485, TCP / IP and CAN communication interface..

- Wireless communication
- Broadband and network access
- Satellite communication ground station
- 3G/4G base station
- Telecom roadside carbine







## Technical specifications

### Maximum ratings

Vin.....	72Vdc
Communication.....	5Vdc
ESD.....	≤8kV

### General

Storage temp	-45 to 125°C
Communication	6×RS485
	1×UART
	3×CAN
	1×Ethernet Port
Removable media	2×USB(1 Host, 1 OTG)
	Micro SD Card
Display	Resistive touch panel, 5.0inch, 16.7M(24bit) color, 800×480
Dimensions	156mm×109mm×30mm
Weight	<0.5 Kg
Cooling	Natural cooling
MTBF	> 300, 000h
Humidity	Operating: ≤95% non-condensing
	Storage: ≤99% non-condensing

### Features

Vin	18~60Vdc
Operating temperature	-20 to 60°C
RS485	4 channel support baud rate from 4800bps to 19200bps, the default baud rate is 9600bps
	2 channel support baud rate from 4800bps to 115200bps, the default baud rate is 115200bps
UART	Support GPRS.
CAN	2 channel baud rate is 125Kbps
	1 channel baud rate is 500Kbps
Ethernet Port	10/100M BASE-T HP Auto MDI/MDI-X
Extended	Support communication with SC210 / SC320 / SC340 / SC900 / SC910 / SC501 / BMS etc.

### Standards

Safty EMC	IEC60950 UL60950 EN60950
	EN300386 ClassB (emission)
	EN300386 ClassA (conducted immunity)
	IEC61000-4-6 (radiated immunity)
	IEC61000-4-4 (fast transients)
	IEC61000-4-5 (surge immunity)
	IEC61000-4-2 (electrostatic discharge)
	IEC61000-4-3



■ DC Power    ■ AC Power  
■ Embedded Power    ■ Outdoor Power  
■ High Voltage Variable Frequency Drives (VFD)

■ Centralized monitoring and management system  
■ Power Distribution    ■ Services  
■ Electronic Air Cleaner