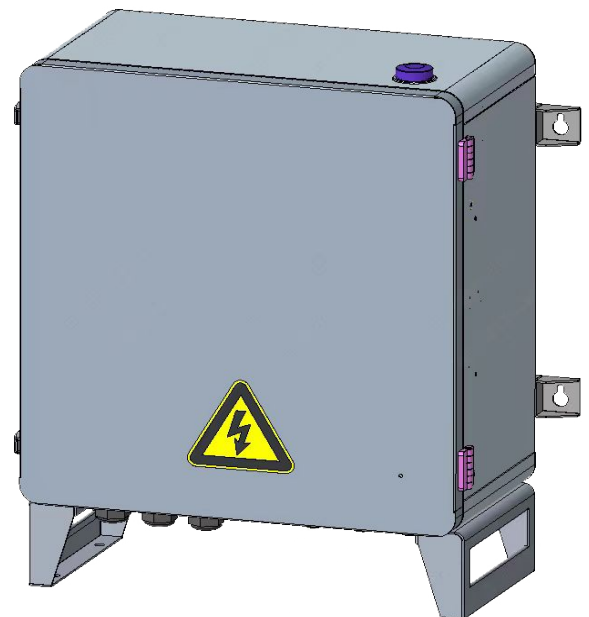**KSTAR**

EMS01D

- ▪ Dual power source, 220VAC and 24VDC for higher reliability.

- ▪ Up to 20 portals available for downstream communication interfaces.

- ▪ Support remote monitoring via Ethernet/WiFi/4G, and local monitoring via web page.

- ▪ IP65 outdoor design.

- ▪ Various accessible interfaces including DI/DO, USB, SD, RS485.

Technical specifications

Model		EMS01D
Downstream EMS Communication	Downstream communication method(Default)	Ethernet(Default)/FITL(Optional)
	Max. Number of Downstream EMS	20
	Max. distance of Downstream communication	100m
	Max. distance of Downstream communication (FITL)	20km
	Ethernet port parameters	10/100Mbps Adaptive
	FITL port typ	SC Single-Mode Dual Fiber
Downstream EMS Communication	Upstream communication method(Default	Ethernet(electrical) /WIFI
	Upstream communication method(Optional)	Ethernet(Optical) /4G
	Local display	Industrial PC + SCADA
	Indicator lights	Power, running, fault+Ethernet status indicators
Port Parameters	Number of RS485 interfaces	7
	USB interface	1 with USB2.0
	SD interface	1
	Digital input detection interface	8
	Digital output control interface	4,NO+NC
	Indicator lights	Power, running, fault + Ethernet status indicators
Environmental Parameters	Operating temperature range	-20℃ - +55℃
	Storage temperature range	-30℃ - +70℃
	Operating relative humidity	5%~95%(No condensation)
Electrical Parameters	Power supply	DC/AC Redundant Power Supply
	AC power supply voltage range	85-264VAC
	DC power supply voltage range	13-36VDC
	Standby power consumption	＜20W
Mechanical Parameters	O&M method	Front Panel Access
	Dimensions (Width*Depth*Height)	560mm *300mm *600mm
	Weight	35kg
	IP degree	IP65
	Installation method	Wall Mount，Bracket Mount，Floor Mount