Datasheet

STREAM-Solar

Gateway

Cell interface	LTE CAT 1
Hz 4G LTE	LTE-FDD Band 2/4/5/12/13/25/26 WCDMA Band 2/4/5
Carriers	T-Mobile, AT&T, or Verizon
SIM interface	Dual-SIM (micro)
Cell antenna port	SMA (2x)
Ethernet	10/100BASE-T RJ45 (2x)
Storage	8GB
LED Indicators	Network, Signal Strength, Power, Status, Error
Serial	RS485, RS232
Protocols*	Modbus RTU/TCP, Ethernet/IP, ISO-on-TCP, OPC UA

More native PLC protocols available, compatible with all major PLC manufacturers

I/O

Digital Inputs	8 (12-24V DC sinking) 1 common
Analog Inputs	8 (4-20mA, 0-5V, 0-10V) 1 common

Power

Panel Wattage	100 W
Charge Controller	30A PWM
50 Ah battery	LiFePO4
Circuit breaker	10A
Load Fuse	10A

Analog input 7 monitors battery charge

Dimensions/Weight

In enclosure (H x W x D)	20 x 20 x 12 in 508 x 508 x 304.8 mm
On backplate (H x W x D)	19 x 19 x 12 in 482.6 x 482.6 x 304.8 mm
Solar panel (H x W x D)	22.9 x 20 x 1.2 in 581.7 x 508 x 30.5 mm
Weight	44.4 LBS

Enclosure

NEMA rating	1, 2, 4, 4X, 12
IP rating	IP65, IP66
Safety feature	Lockable clasp
Mounting options	Pole, DIN, Wall Bracket

Alternative enclosures available on request

Environmental Conditions

Operating temperature	(-20) to 70 °C (-4) to 158 °F

On-Device Analytics

Data posts	Fixed interval: 1 minute On-Change: real time
Pump monitoring	Daily runtime & cycle counting
Flow totalization	Based on pulse counting and analog input
STREAMETRIC Intelligence options	AI-Flow, I&I prediction, Storm-Mode, pump efficiency

Software

Software-as-a-Service (web browser app)

Warranty

1-y1 year parts & labor