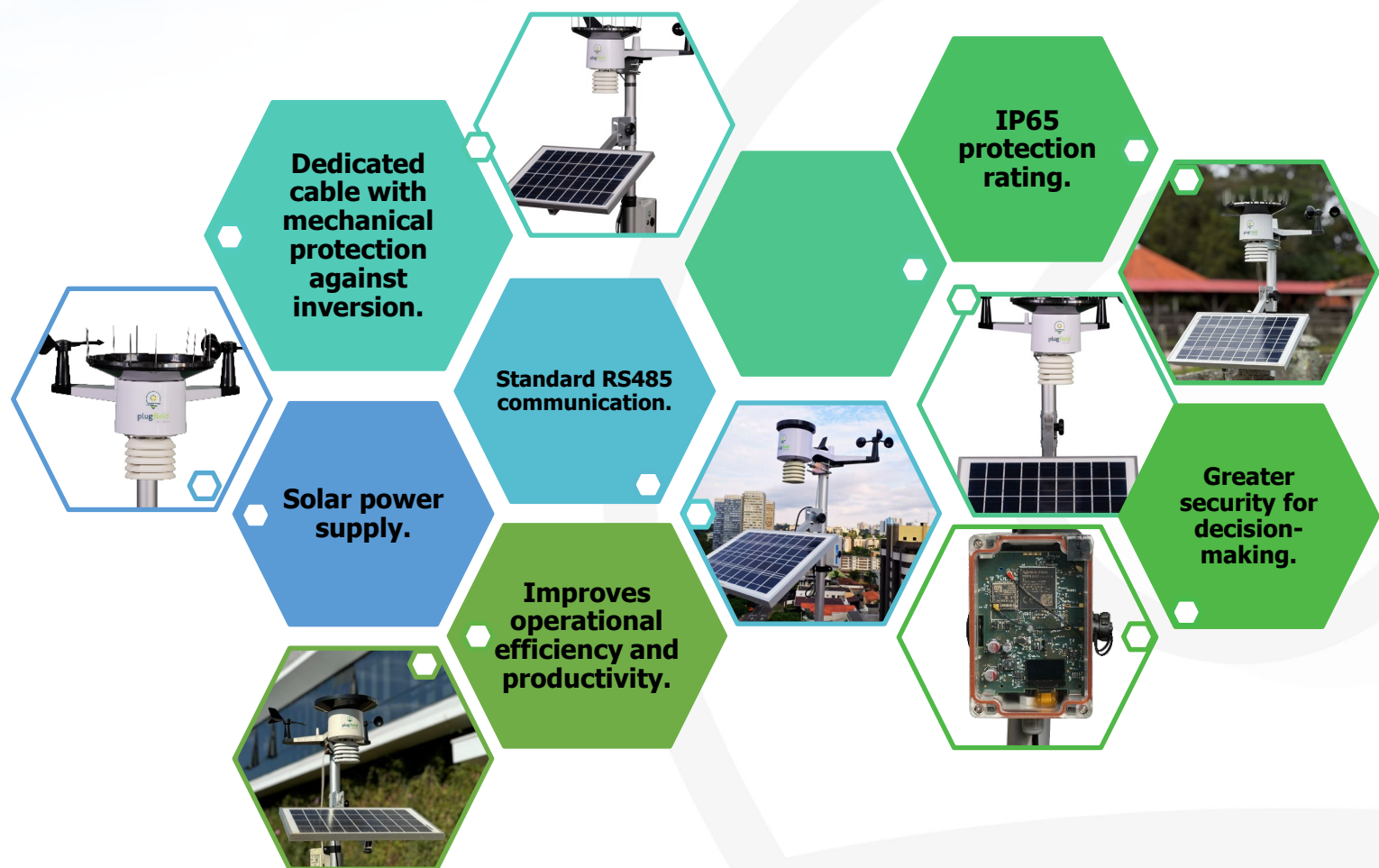


Plugstation[®]

Characteristics



DS0824-02

Plugstation®

Technical Specifications

Parameter	Type	Description	
Network	Wi-Fi	802.11bgn 2.4GHz Authentication method WPA/WPA2	
	2G / 3G / 4G	CDMA/HDR/GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA/HSPA+ TDSCDMA/TDD LTE/FDD LTE	
Processor	Dual Core	240Mhz (600DMIPS)	
Memory	SPI Flash	16MB	
Interval between sensor readings	Minutes	Adjustable	
Storage / Data Logger	Days	Interval between sensor readings	
		5 minutes	Up to 90 days of information
		10 minutes	Up to 180 days of information
		15 minutes	Up to 270 days of information
GNSS Antenna	GPS	Global Navigation Satellite System (GNSS)	
Battery	Lithium Ions	Rechargeable via solar panel	
Power Supply	Solar Panel	10W, 18V/600mA, Off-Grid	
Case	Polycarbonate	With UV protection IP65 protection rating	
Display	Monochromatic	0.96", 128X64 pixels	
Anatel Certification	Number	07483-24-12364	
Ports for sensors	Connections	Two communication ports for additional RS485 ModBus sensors	
NTCIP Protocol	Integration	Protocol that allows direct connectivity with the Station. Complies with Resolution n°. 3,323, dated 11/18/2009 ANTT.	

Standard Sensors

Parameter	Minimum	Maximum	Resolution	Accuracy
Temperature	-40°C	125°C	0.1°C	± 0.1°C
Humidity	0%	100%	1%	± 1.5%
Precipitation	0mm		0.1mm	± 5%
Wind Gust	0 Km/h	180 Km/h	1 Km/h	± 10%
Wind Speed	0 Km/h	180 Km/h	0.36 Km/h	± 10%
Wind Direction	0°	360°	1°	± 15°
Light Intensity	0 LUX	300000 LUX	0.1 LUX	± 15%
UV Index*	0	15	1	±1
Atmospheric Pressure	300 hPa	1100 hPa	0.1 hPa	± 1 hPa

*UV Index: indicates a range from 1 (low) to 15 (extreme).

Calculated Sensors

Parameter	Minimum	Maximum	Resolution
Evapotranspiration*	0mm		0.1mm
Thermal Sensation	-30 °C	60 °C	0.1 °C
Dew Point	-20 °C	40 °C	0.1 °C
Delta T	0 °C		0.1 °C

*Calculated using the Penman-Monteith method



07483-24-12364



DS0824-02