

ALL-WEATHER PVH KIT

NRG Systems' All-Weather PVH Kit allows users to achieve accurate and reliable solar radiation measurements in areas where sensors can be affected by dust, dew, rain, frost, and snow. Ideal for utility-scale PV solar resource assessment campaigns, the All-Weather PVH Kit integrates Hukseflux's VU01 ventilation and heating component and an independent power supply with NRG's SRA System, keeping the radiometer's dome clear of accumulation and improving overall system performance.

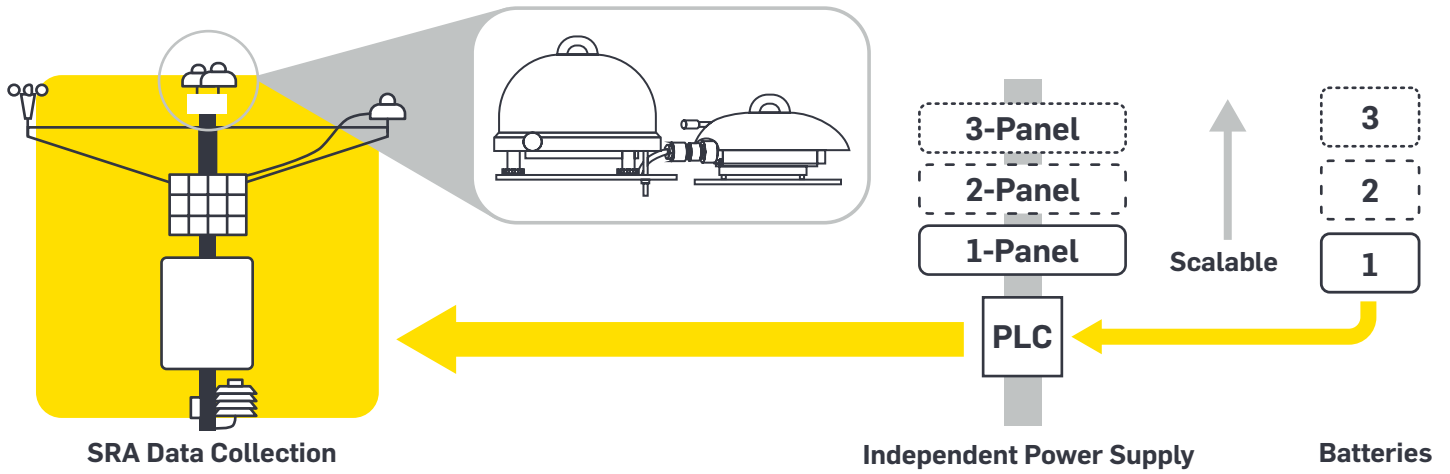
Key Benefits:

- Effectively removes dust, dew, frost, and snow in various harsh weather conditions, increasing accuracy of measured data
- Independent, scalable power supply reduces risk of lost data and allows users to customize power configuration based on location
- PV panels and batteries ensure reliable operation despite periods of darkness or weak sunlight
- PLC, charge controller, and breaker unit enable flexible configuration and system safety



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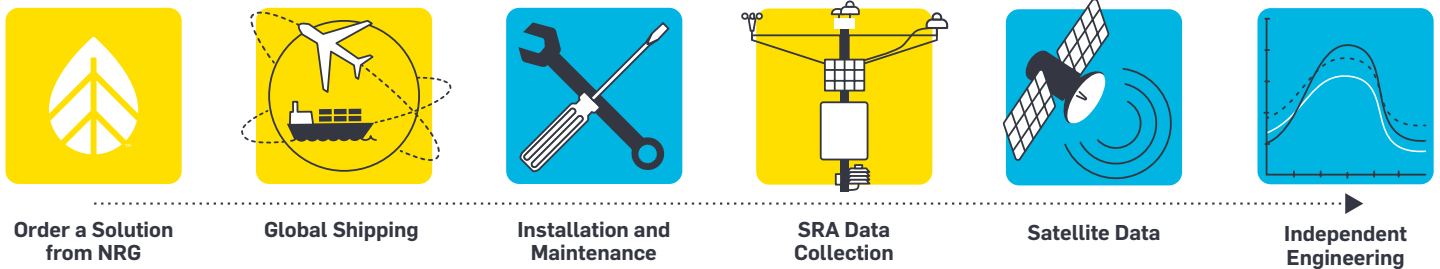
COMPONENT OVERVIEW:



SPECIFICATIONS:

Specification	All-Weather PVH Kit Dust & Dew	All-Weather PVH Kit Snow	All-Weather PVH Kit Ice & Snow
Environmental Conditions	Dust and Dew	Snow, Dew, & Dust	Ice, Snow, Dew, and Dust
Recommended Use: Heater	Heater OFF	Heater ON if temp is less than 3°C	Heater ON max 12 hrs/day
Recommended Use: Ventilator	Ventilator ON 4 hrs/day	Ventilator ON 8 hrs/day	Ventilator ON when heater is ON
PV Capacity	60W	120W	180W
Battery Capacity (C/100)	108Ah	216Ah	324Ah
Power Consumption	Heater: 10W - Ventilator: 8W		
System Voltage	12 VDC		
Operating Temperature	-45°C to 65°C		
Compatible Solar Sensor	Hukseflux SR20		

SUPPORTED BY OUR SOLAR TECHNICAL PARTNER NETWORK:



■ NRG Systems
 ■ Solar Technical Partner Network

For more information:

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 ISO 9001: 2015 Certified
 ISO 14001: 2015 Self-Certified

