

Model: Alpha, Alpha Hybrid

General information	
Pole Height	5.5 m - 8.5 m
Diameter	180 mm
Number of Days of Autonomy	> 3 days (luminous efficacy automatically reduced)
Luminary	
LED Quantity	36 Cree XP G3
LED Wattage	60W @100%
Lumen Output	8,100 lm
Lumen Efficiency	135 lm/Watt
CRI	>70
CCT (Colour Temperature)	3,000K (as standard other temperatures optional)
Operation Temperature	-20°C / + 60°C (depending on battery option)
Lifetime	L70 > 118,000 hrs @ Ta 85°C
Dim ability	Continuously dimmable (0-100%)
ON/OFF control	PV module (brightness level programmable)
Light Profile	Programmable
Warranty	5 years
Pole	
Material	Steel hot-dip galvanized
Colour	Optional
Wind load	36 m/s optional 40 m/s
Options	Height, Color Gloss and Corrosion upgrade
Warranty	10 years anti-corrosion 20 years anti corrosion C5m (optional)
Battery	
Option 1: Lead Acid	6 pcs; 12V / 15Ah
Lifetime:	3 years (1.200 cycles)
Warranty	1 year
Option 2: LiFePO4	Lithium LiFePO4 High Temperature (70°C)
Lifetime	6300 cycle at 55% DOD; ~ 17 years
Warranty	3 years (5 years optional)
Position	Batteries in the pole
Grid Connection (Optional)	
Charger Input	110 V / 220 V; 47 Hz – 63 Hz; 89% Efficiency
Charger Control	On/Off on demand
Grid connection	N – L1 – L2 – L3 - PE
Protection	Neozed E14 400V/ 10A Fuse
Modus	Grid charging if in-sufficient sun-power availability
Solar MODULE	
Type	SunPower Mono crystalline silicon
Quantity	1 PV - 64 cells
Protection and Security	
IP 66 Protection; IK09	
Glass cover around LED unit for protection against sand abrasion	
Reverse polarity protection	
Low battery voltage cut-off	
Security pole door / Anti-Vandalism	

