SPECIFICATIONS	Z11	Z13	Z14	Z18	Z28
Stored energy	3J	5J	6J	12J	12J
Output energy 500ohm	1.8J	3J	4J	8J	8J
Output voltage maximum	10kv	10kv	10kv	10kv	10kv
Output voltage LCD display	Keypad	●	●	●	
Return voltage LCD display	Keypad	●	●	●	●●
Backup time maximum	24hrs	24hrs	18hrs	18hrs	18hrs
Ext 16VAC transformer	●	●	●	●	●
Battery volts	12v	12v	12v	12v	12v
Battery capacity	7Ah	7Ah	7Ah	7Ah	7Ah
Pulse frequency	0.8s Hz	0.8s Hz	0.8s Hz	0.8s Hz	0.8s Hz
Pulse width	0.3ms	0.3ms	0.3ms	0.3ms	0.3ms
Alarm delay	*	*	*	*	*
Siren time out	*	*	*	*	*
Bi-Polar Capability			●	●	

*Programmable by keypad

RECOMMENDED WIRE LENGTH	Z11	Z13	Z14	Z18	Z28
1.2mm s/steel	0.6km	0.8km	1km	1.5km	2x1km
1.2mm braided galvanised	2km	3km	4km	8km	2x4km
2.24mm galvanised	3km	4km	6km	10km	2x6km
1.6mm aluminium wire	6km	8km	10km	20km	2x10km

DIMENSIONS	Z11	Z13	Z14	Z18	Z28
Size (height, width, depth) mm	300×190×115	300×190×115	300×190×115	300×190×115	300×190×115
Weight (without battery)	2.0kg	2.0kg	2.1kg	2.4kg	2.4kg

POWER CONSUMPTION	Z11	Z13	Z14	Z18	Z28
Average current draw	500mA	500mA	550mA	1000mA	1000mA
Peak current draw	600mA	600mA	700mA	1200mA	1200mA

All energizers in the Z-Range can be used in a Multi-Zone Network

SOLAR PANEL SPEC	Z11	Z13	Z14	Z18	Z28
Recommended battery	50 Ah	50 Ah	50 Ah	105 Ah	105 Ah
Solar panel	75w	75w	75w	100w	100w

Solar panel calculations based on an installation in Johannesburg, South Africa.
Location-specific recommendations available on request.

WARRANTY	Z11	Z13	Z14	Z18	Z28
2-year warranty	●	●	●	●	●

CERTIFICATION	Z11	Z13	Z14	Z18	Z28
Compliant (IEC60335-2-76)	●	●	●	●	●

FEATURES	Z11	Z13	Z14	Z18	Z28
Fence monitor	●	●	●	●	●
Gate (aux.) monitor	●	●	●	●	●
Low voltage monitor	●	●	●	●	●
Siren driver	●	●	●	●	●
Strobe driver	●	●	●	●	●
Armed Response	●	●	●	●	●
On/Off reset key	●	●	●	●	●
Remote control option	●	●	●	●	●
Battery backup	●	●	●	●	●
Keypad LCD Optional	●	●	●	●	●
Multi-Keypad Compatible	●	●	●	●	●
Keypad Voltage Display	●	●	●	●	●
Keypad tamper Alert	●	●	●	●	●
Microprocessor	●	●	●	●	●
Programmable	●	●	●	●	●
Earth Monitoring	●	●	●	●	●
Security	●	●	●	●	●
Software Controllable	●	●	●	●	●
Solar Power Option	●	●	●	●	●
Number of Zones	1	1	1	1	2
Multi-Zone Pulse Sync	●	●	●	●	●