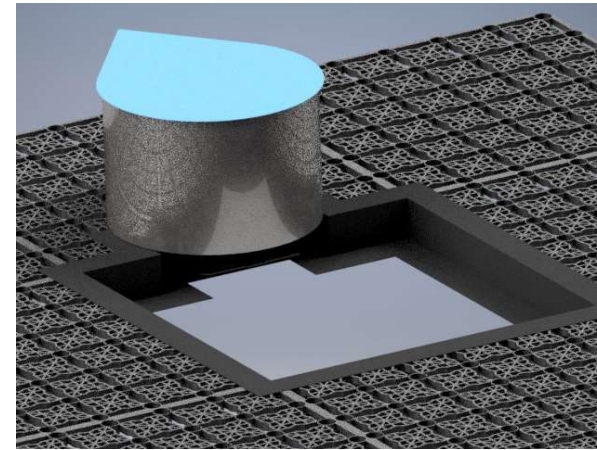


sm[^]rtDROP

Product sheet



sm[^]rtDROP

The sm[^]rtDROP is the smart valve on the Polder Roof[®] that enables dynamic water storage. The remotely and automatically controlled valve keeps rainwater inside the buffer or releases it at a set flow rate.

Power supply and back-up

Power supply	MeanWell 12V 60W PSU
Battery	2000mAh Li-ion backup

Antenna and data

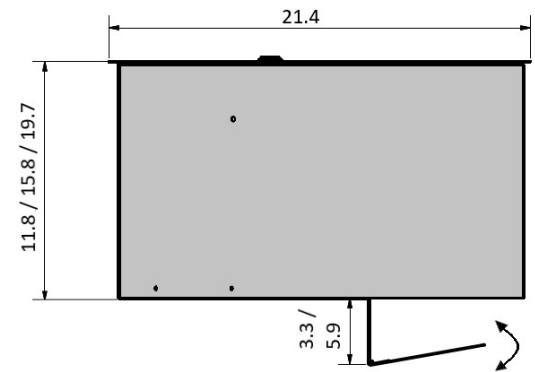
Connection	2G or 3G (900/1800MHz)
Sim	MetroPolder data subscription
Antenna	External UMTS antenna positioned outside housing
Certificates	CE, (FCC in progress)

Specifications

Dimensions (LxWxH)	21 x 16.5 x 15.1-25.6 in (height configurable)
Weight	21 lb
Max weir height	5.5 in (configurable)
Flow rate	0.007 - .38 ft ³ /s (configurable)
Housing material	RVS304
Weir material	EPDM

Functions

Frost prevention	Buffer empty at 35°F air temperature
Local rain measurement	Tipping bucket (one per project)
Control of weir	Based on rain radar and built in sensors
Manual control	Via Dashboard
Vandalism proof	Mechanical lock all components inside housing



Side view of sm[^]rtDROP showing the valve below the housing. Dimensions in inches



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