MOD : OEM or SMART version?

MODxx-Bxx: The **OEM version** is a compact module for system integration. You supply DC power, wiring, and external control signals. Cooling is done by conduction through the baseplate, mounted on a heatsink or metal plate with thermal grease. Keep the baseplate ≤ 50 °C.

OEM version,≤ 2.5W

OEM version, ≥ 2.5W

SMARTMxx-Dxx: The **SMART version** is a complete ben-top RF driver that provides convenient operation with minimal integration effort. It is mainly intended for laboratory and research applications as it already includes the AC power supply (110-230 VAC) , the internal cooling and thermal management. Furthermore, it has a front panel LCD display together with a rotary knob for easy adjustments/navigation.

SMART version - Front panel

SMART version - Rear panel

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To compare :

Feature	SMART Laboratory Version	OEM 24 VDC Version
Purpose	Standalone laboratory instrument	Embedded module for system integration
Power input	110–230 VAC mains (internal supply)	External 24 VDC supplied by user
Cooling	Internal fan and thermal management	Conduction cooling through baseplate; user must provide heatsink
Mechanical format	Bench-top enclosure	Compact module
Front-panel controls	LCD display, knob + button	None
CW operation	Built-in; can operate without external signals	Requires external control signals
Modulation	TTL and analog inputs available + Internal (Sine, Square…)	TTL and analog inputs provided by user
USB communication	Yes (software and SDK supplied)	None
Ease of use	Plug-and-play	Requires system integration
Size	Larger (bench instrument)	Small, lightweight
Typical users	Research labs, optical benches, prototyping	OEM equipment manufacturers, automated systems

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