

# neo ELW

## IP68 Waterproof Weighing Scale

Intelligent Power Management • Eco-Friendly Efficiency  
Versatile Battery Compatibility • Enhanced Product Reliability



SGS IP68  
Certified



Power-Saving  
Patent



18650  
Li-ion Battery



Wireless  
Charging



D SIZE  
Dry Battery



Maximum Load  
30kg



## FEATURES

### Advanced ARM-Based 32-Bit MCU with Precision 24-Bit ADC

Designed for low-power applications, this microcontroller unit (MCU) and a high-precision 24-bit analog-to-digital converter (ADC), ensuring efficient, responsive, and accurate performance tailored for demanding weighing environments.

### IP68 Dust & Waterproof Certification

Certified by SGS, the NEO series provides unmatched protection against dust and water, making it ideal for harsh environments like agriculture and seafood processing.

### Advanced Smart Power Management System (Patented)

Dynamically adjusts power consumption based on user habits, enhancing energy efficiency while maintaining a smooth and uninterrupted user experience.

### Multiple Power Options

The NEO offers versatility with three battery types—lithium, dry cell, and lead-acid. The dry battery model can also have an option of an AC adapter for plugged-in use.

### Standard 18650 Lithium-Ion Battery

AirCharge utilizes high-cycle 18650 lithium-ion batteries from world-renowned manufacturers, offering extended lifespan, enhanced reliability, and peace of mind for users.

### Specially Designed Power Circuit

Features overcharge, over-discharge, and auto shut-off protection mechanisms, improving battery longevity and ensuring overall system reliability.

### Ergonomic and Durable Design

Featuring ABS housing and a food-grade stainless steel 304 weighing pan, NEO is both rugged and easy to handle, thanks to its side-grooved handles.

### Superior Electromagnetic and Electrostatic Interference Resistance

Engineered to resist electromagnetic and electrostatic disturbances, ensuring consistent and stable performance.

### Clear and Adjustable Display

Multi-stage backlight brightness adjustment for clear visibility under varying lighting conditions. Four selectable brightness levels allow for optimal display in any setting.

### High Precision and Fast Sampling

The NEO delivers outstanding linear performance and high-speed sampling for precision weighing, supporting a maximum capacity of up to 30kg.

## SPECIFICATION



NEO ELW  
AirCharge



NEO ELW



NEO ELW  
(Dry Battery)



Capacity	3 / 3 / 6 / 6 / 15 / 15 / 30 / 30 kg		
Division	0.5 / 1 / 1 / 2 / 2 / 5 / 5 / 10 g		
Battery	Li-ion rechargeable battery pack DC 3.7V 6100mA (18650-2P)	Lead-acid rechargeable battery DC6V / 4Ah	D size batteries (not included) 4 x 1.5V Alkaline batteries or 4 x 1.2V NiCd/NiMH batteries
Power	AC 100V ~ 230V (±10%) adapter with 12V / 1.5A (15W) output QI TX module	AC 100V ~ 230V (±10%) adapter with 12V / 1.5A output	AC 100V ~ 230V (±10%) adapter with 12V / 1.5A output
Display	6 digits/ 25mm (height) White LED backlight		6 digits/ 25mm (height) Green LED backlight
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)		
Dimensions	240 x 120 x 280 mm (W x H x D)		
Platter Size	235 x 200 mm		



TEL/ +886-2-8919-1000 FAX/ +886-2-8919-1177



6F, No. 127, Lane 235, Baoqiao Road,  
Xindian District, New Taipei City, 23145, Taiwan



pm-all@excell.com.tw



www.excell-scale.com

